

IMPROVED TRANSMISSION SYSTEM FOR SCOOTERS

ABSTRACT OF THE DISCLOSURE

A transmission system for a scooter has a gear train assembly and a gear shifting mechanism. The gear train assembly has an input shaft, which is provided with an integral gear, an intermediate shaft, an output shaft, an input fork, an intermediate fork, an output fork, three dog gears, four slotted gears, and gear. The system may be employed for manually or automatically changing gears in a scooter to enable the vehicle to be driven with different speeds and with varying load conditions. The system utilizes a compact three-shaft system designed to achieve required gear ratio steps in a positive efficient manner.